ABSTRACT

Aqueous coating compositions comprising

A) at least one water-dilutable (meth)acrylate copolymer with a hydroxyl value of 200 to 280 mg KOH/g and

B) at least one polyisocyanate cross-linking agent with free isocyanate groups,

the (meth)acrylate copolymers being the reaction product of

a) 10-50 % by weight of at least one glycidyl ester derived from an aliphatic saturated monocarboxylic acid branched in alpha position,

b) 0-60 % by weight of at least one polyalkylene glycol(meth)acrylate,

c) 0-45 % by weight of at least one hydroxy-functional olefinic unsaturated monomer different from component b),

d) 3-40 % by weight of at least one olefinic unsaturated monocarboxylic acid,

e) 0-40 % by weight of at least one vinyl aromatic monomer and

f) 0-40 % by weight of other olefinic unsaturated monomers different from monomers a) to e),

wherein component d) is used in molar excess of component a) and the % by weight of components a) to f) adding up to 100%.